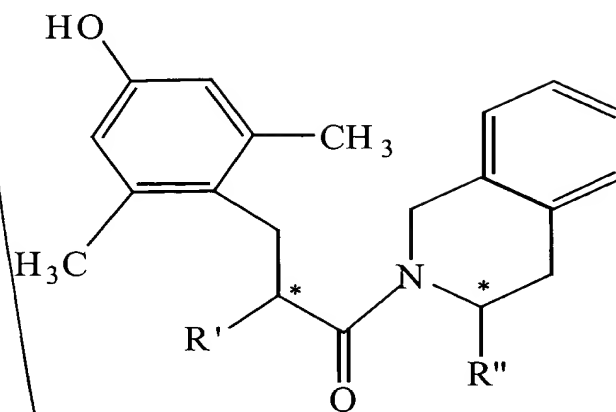
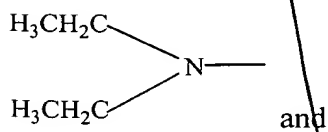
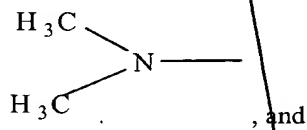
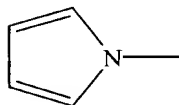
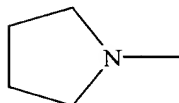
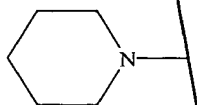
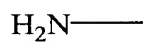


WHAT IS CLAIMED IS:

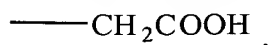
1. A compound of formula:

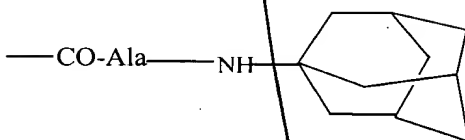
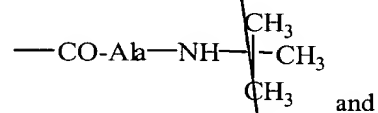
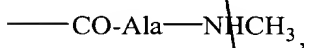
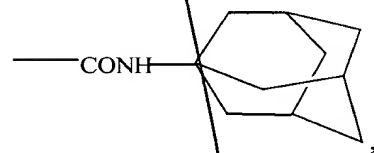
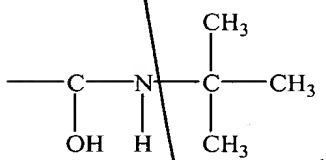
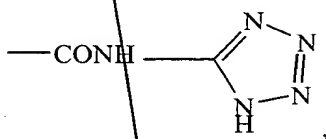


wherein R' is selected from the group consisting of

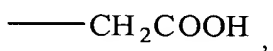


R'' is selected from the group consisting of

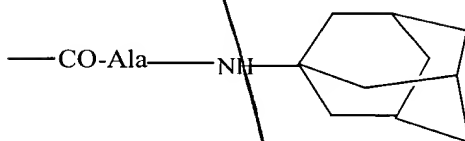
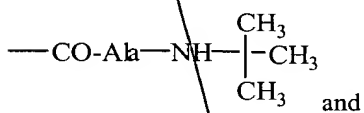
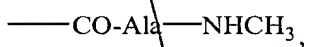
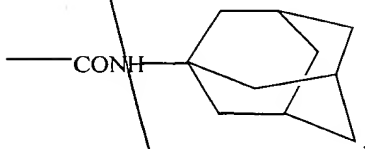
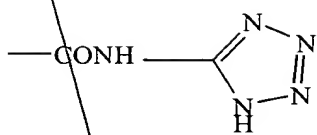




2. The compound of claim 1, wherein R' is $\text{H}_2\text{N---}$ and R'' is selected from the group consisting of



INS
#1

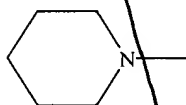


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3. The compound of claim 1, wherein R' is H₂NH₂C- and R'' is —COOH.

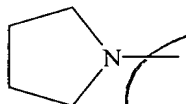
4. The compound of claim 1, wherein R' is



and R'' is —COOH.

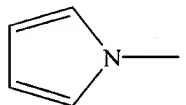
15

5. The compound of claim 1, wherein R' is



and R'' is —COOH.

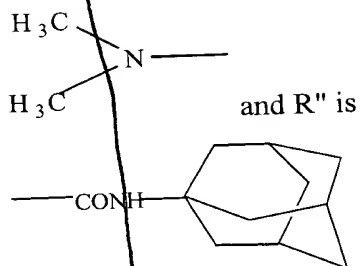
6. The compound of claim 1, wherein R' is



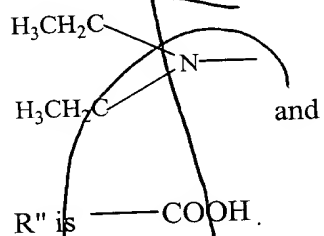
and R'' is —COOH.

20

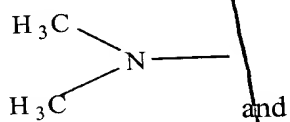
7. The compound of claim 1, wherein R' is



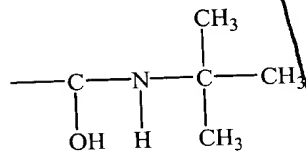
8. The compound of claim 1, wherein R' is



9. The compound of claim 1, wherein R' is



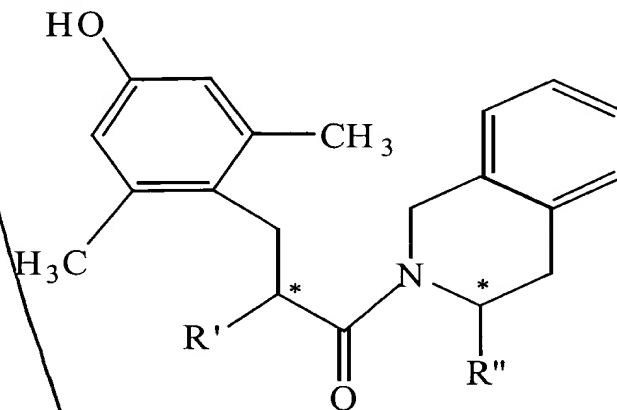
R'' is



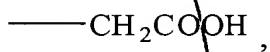
- ~~10. A composition comprising at least one compound of claim 1.~~

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11. A method of treating a mammal in need of an antagonist of a δ -opioid receptor, which method comprises administering at least one compound of formula:

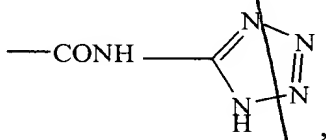


wherein (i) R' is $\text{H}_2\text{N}-$ and R'' is



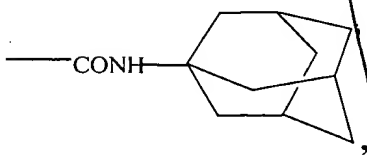
(ii) R' is $\text{H}_2\text{N}-$ and

R'' is

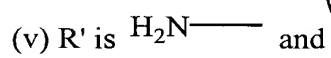
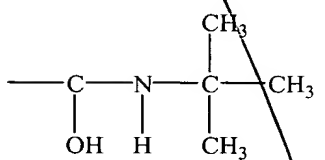
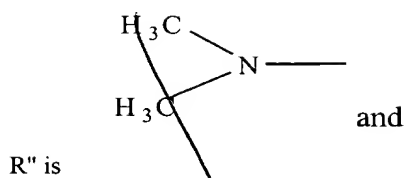


(iii) R' is $\text{N}(\text{CH}_3)_2-$ and

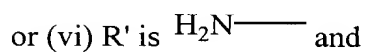
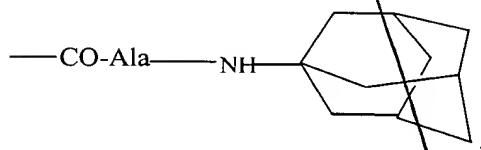
R'' is



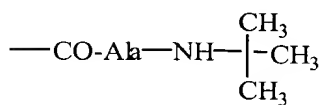
(iv) R' is



R" is

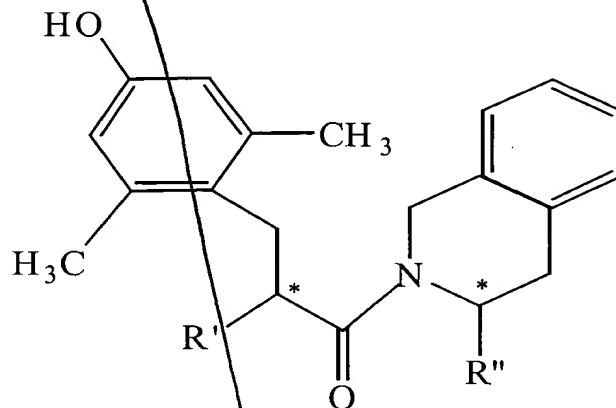


R" is

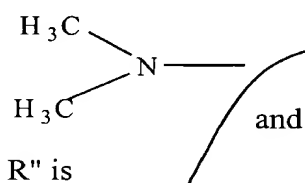


in an amount that antagonizes a δ -opioid receptor in said mammal.

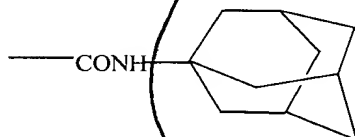
12. The method of claim 11, wherein said mammal is also in need of an agonist of a μ -opioid receptor, in which case the compound of formula:



is the compound wherein R' is

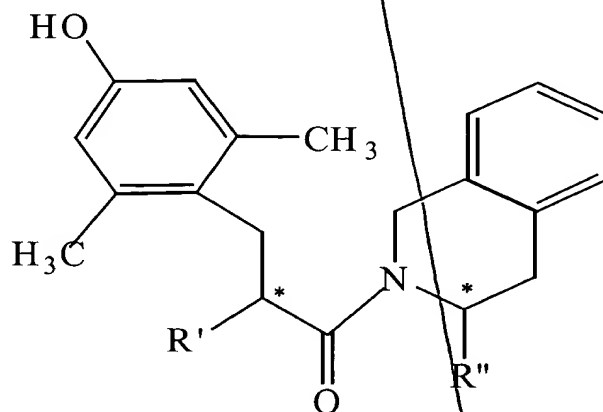


R'' is



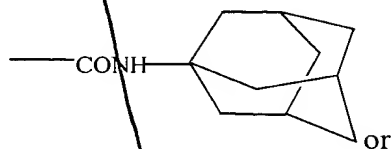
and the compound is administered in an amount that also agonizes a μ -opioid receptor in said mammal.

13. A method of treating a mammal in need of an agonist of a δ -opioid receptor, which method comprises administering at least one compound of formula:



wherein (i) R' is $\text{H}_2\text{N}-$ and

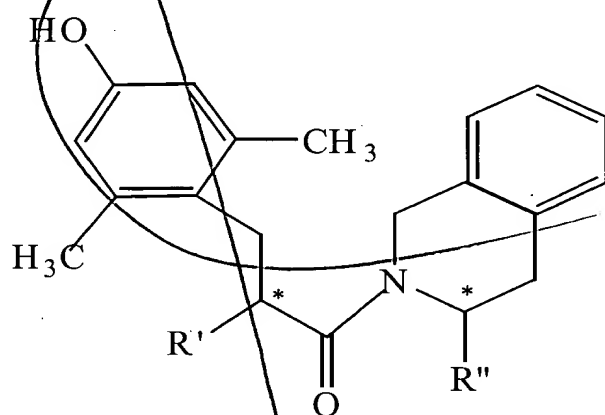
R'' is



(ii) R' is $\text{H}_2\text{N}-$ and

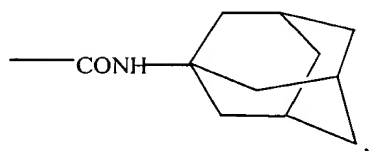
R'' is —CO-Ala—NHCH₃ in an amount that agonizes a δ -opioid receptor in said mammal.

14. A method of treating a mammal in need of an agonist of a μ -opioid receptor, which method comprises administering at least one compound of formula:

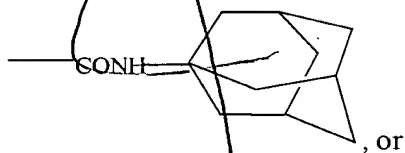
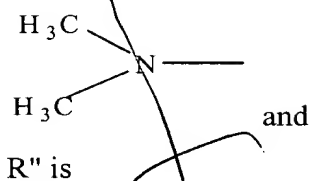


wherein (i) R' is $\text{H}_2\text{N}-$ and

R'' is

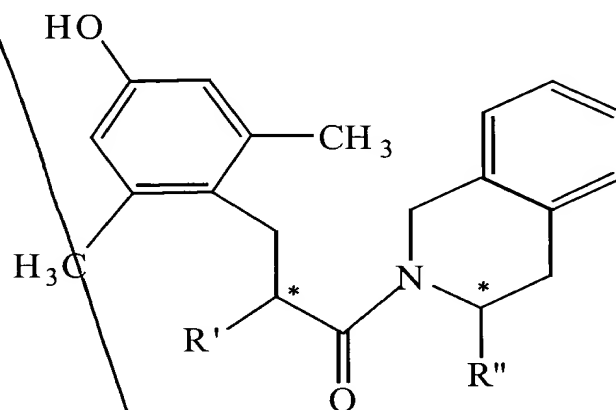


(ii) R' is



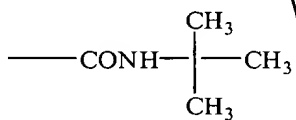
(iii) R' is H_2N — and R'' is — CO-Ala-NHCH_3 in an amount that agonizes a μ -opioid receptor in said mammal.

15. A method of inhibiting the binding of an opioid receptor-binding compound with a P glycoprotein in a mammal, which method comprises administering at least one compound of formula:

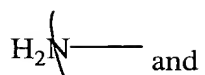


wherein (i) R' is H_2N — and

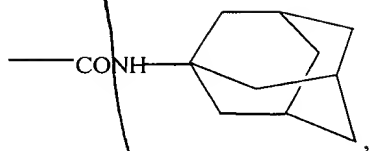
R'' is



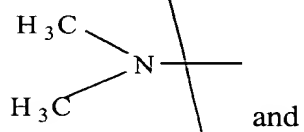
(ii) R' is



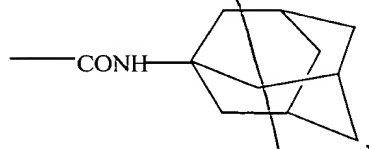
R" is



(iii) R' is

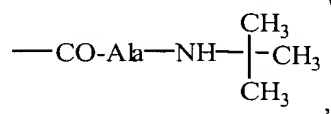


R" is

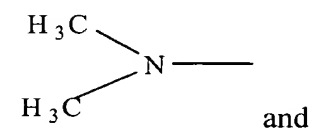


(iv) R' is $\text{H}_2\text{N}-$ and

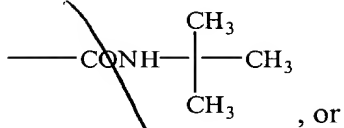
R" is



(v) R' is

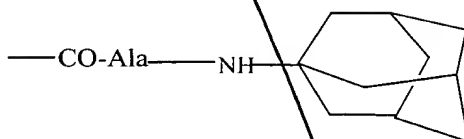


R" is



(vi) R' is $\text{H}_2\text{N---}$ and

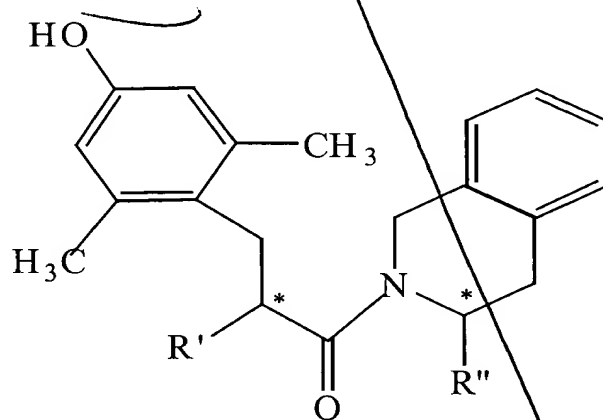
R'' is



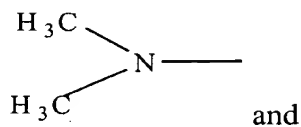
in an amount effect to inhibit the binding of an opioid receptor-binding compound with a P glycoprotein in a mammal.

16. The method of claim 15, wherein said P glycoprotein is P-gp1 (hMDR-1).

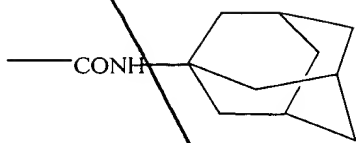
17. The method of claim 15, wherein said compound of formula:



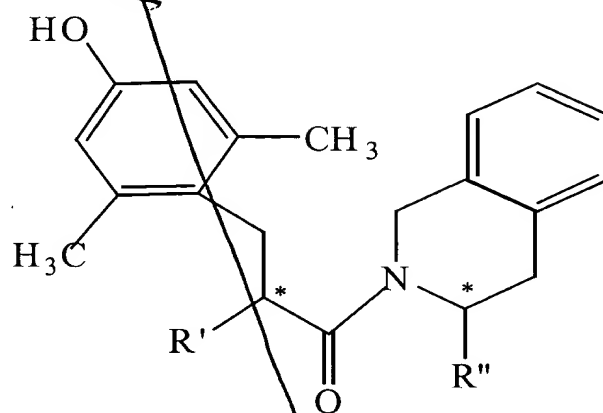
15 is the compound wherein R' is



R'' is

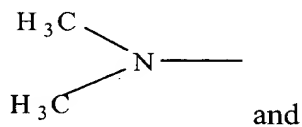


18. The method of claim 16, wherein said compound of formula:



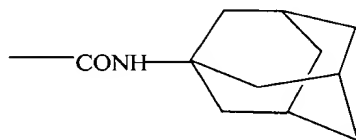
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is the compound wherein R' is



and

R'' is



10

Add
R₂

add
C₁